DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11441933

Frame Cooling method : IC411 - TEFC : 182/4T Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight³ : 45.1 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0262 kgm² Design : B Output [HP] 2 2 2 2 Poles 6 6 6 6 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 6.44/3.22 3.66 3.61 3.58 L. R. Amperes [A] 48.3/24.2 22.0 24.2 25.4 7.1x(Code L) LRC [A] 7.5x(Code L) 6.0x(Code J) 6.7x(Code K) No load current [A] 3.80/1.90 1.90 2.05 2.15 Rated speed [RPM] 1170 960 965 965 Slip [%] 2.50 4.00 3.50 3.50 Rated torque [kgfm] 1.24 1.51 1.50 1.50 Locked rotor torque [%] 300 229 280 310 Breakdown torque [%] 350 260 310 340 Service factor 1.25 1.00 1.00 1.00 80 K Temperature rise 80 K 80 K 80 K Locked rotor time 55s (cold) 31s (hot) 36s (cold) 20s (hot) 36s (cold) 20s (hot) 36s (cold) 20s (hot) Noise level² 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 86.5 85.5 85.5 85.0 Efficiency (%) 75% 87.5 86.0 86.5 86.5 100% 88.5 86.5 87.0 87.0 25% 50% 0.46 0.53 0.49 0.46 Power Factor 75% 0.58 0.65 0.62 0.59 0.72 0.69 0.67 100% 0.66 Losses at normative operating points (speed;torque), in percentage of rated output power 12.3 P1 (0,9;1,0) 12.3 12.3 12.3 P2 (0,5;1,0) 9.8 9.8 9.8 9.8 P3 (0,25;1,0) 9.2 9.2 9.2 9.2

P4 (0,9;0,5) 7.4 7.4 7.4 Losses (%) 7.4 P5 (0,5;0,5) 5.0 5.0 5.0 5.0 P6 (0,5;0,25) 3.9 3.9 3.9 3.9 P7 (0,25;0,25) 2.9 2.9 2.9 2.9

Non drive end Foundation loads Drive end Bearing type 6207 ZZ 6206 ZZ : 84 kaf Max. traction Sealing V'Ring V'Ring Max. compression : 129 kgf

Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision 31/01/2024 1/6 Date

DATA SHEET



Customer :	
Notes USABLE @208V 7.13A SF 1.15 SFA 8.20A	
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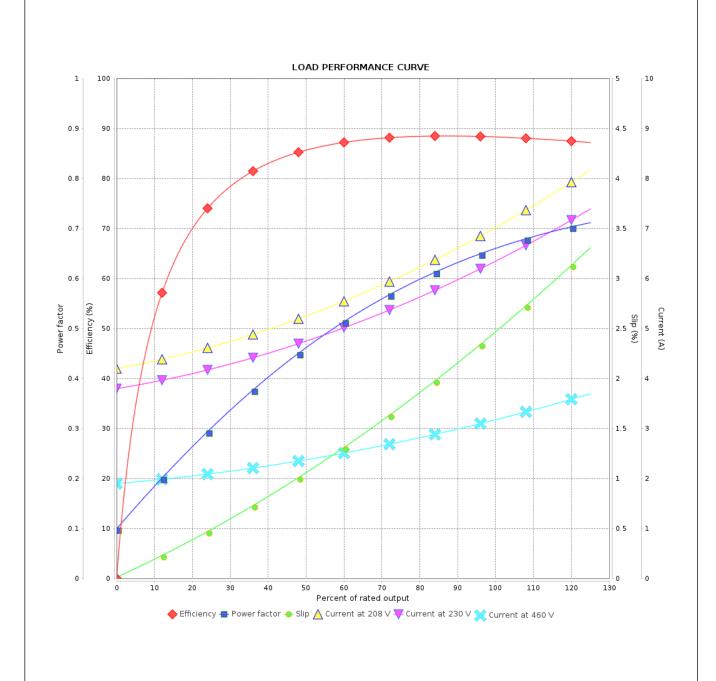
Three Phase Induction Motor - Squirrel Cage



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Customer

Product line : W22 NEMA Premium Efficiency Three-Product code:



Performance	: 2	30/460 V 60 Hz 6P				
		.44/3.22 A .5		Moment of inertia (J) Duty cycle		2
Rated torque : 1		.24 kgfm	Insulation	Insulation class		
Locked rotor torque Breakdown torque		00 % 50 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed	: 1	170 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer

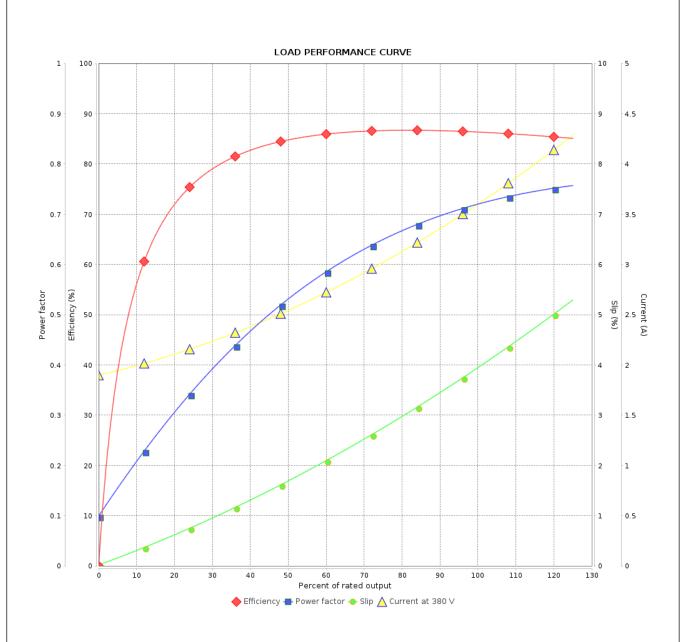
Product line : W22 NEMA Premium Efficiency Three-

Product code:

11441933

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Performance	: 380 V 50 Hz 6P IE4				
Rated current	: 3.66 A	Moment of inertia (J)		: 0.0262 kgm²	
LRC	: 6.0	Duty cycle	. ,	: Cont.(S1)	
Rated torque	: 1.51 kgfm	Insulation class		: F	
Locked rotor torque	: 229 %	Service factor		: 1.00	
Breakdown torque	: 260 %	Temperature rise		: 80 K	
Rated speed	: 960 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage

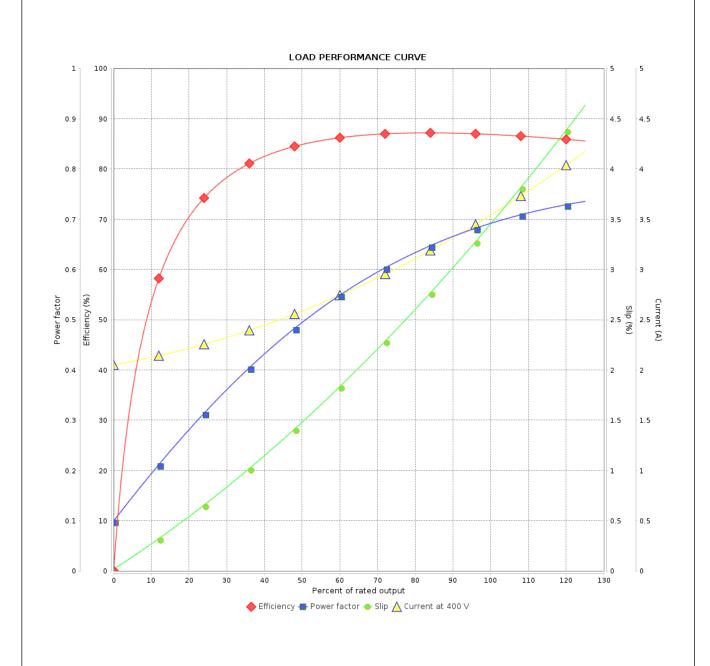


Customer :

Product line : W22 NEMA Premium Efficiency Three- Prod

Phase

Product code: 11441933



Performance	formance : 400 V 50 Hz 6P IE4					
Rated current		3.61 A	Moment of inertia (J)		: 0.0262 kgm²	
LRC : 6		6.7	Duty cycle		: Cont.(S1)	
Rated torque	:	1.50 kgfm	Insulation class		: F	
Locked rotor torqu	ue :	280 %	Service factor		: 1.00	
Breakdown torque	e :	310 %	Temperati	ıre rise	: 80 K	
Rated speed	:	965 rpm	Design		: B	
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Checked by					Page	Revision
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

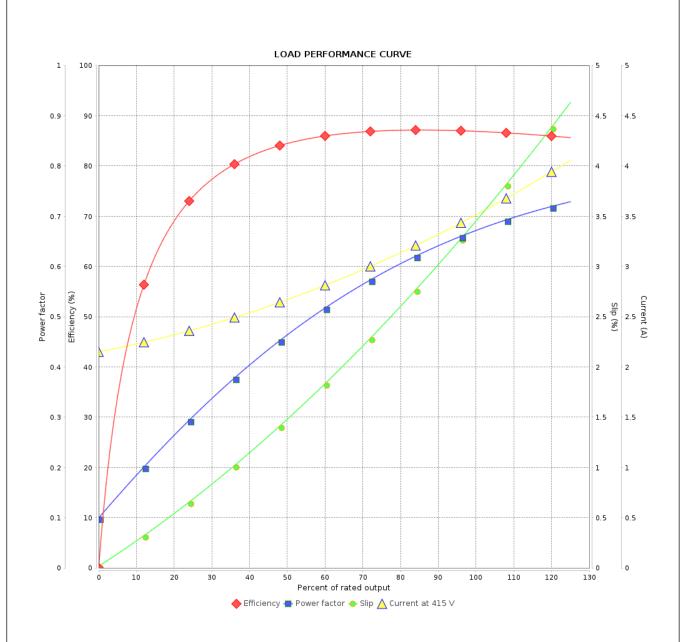
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Date



Performance	: 415 V 50 Hz 6P IE4				
Rated current	: 3.58 A	Moment of inertia (J)		: 0.0262 kgm²	
LRC	: 7.1	Duty cycle		: Cont.(S1)	
Rated torque	: 1.50 kgfm	Insulation class		: F	
Locked rotor torque	: 310 %	Service factor		: 1.00	
Breakdown torque	: 340 %	Temperature rise		: 80 K	
Rated speed	: 965 rpm	Design		: B	
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